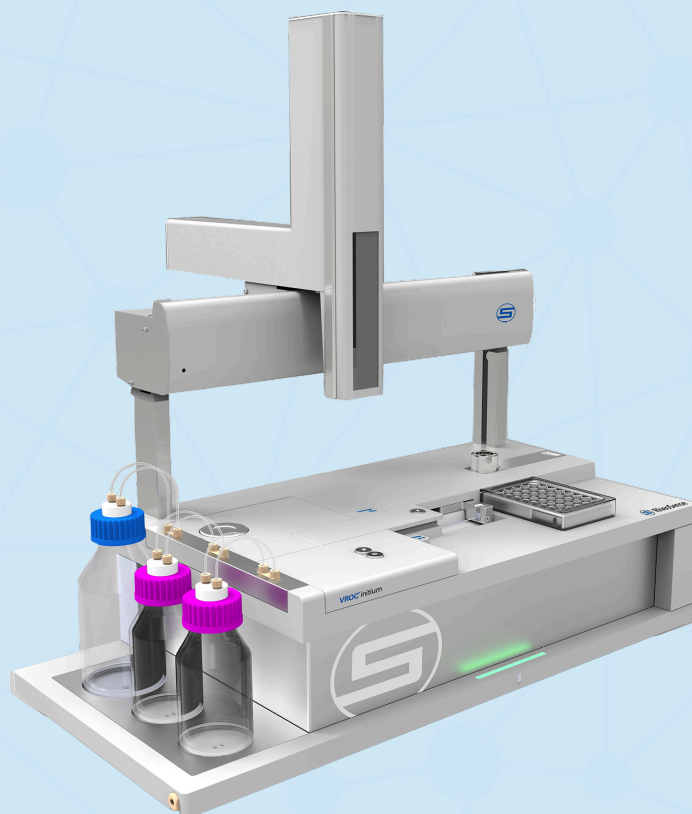


VROC® Initium 1++

Fully Automated Viscometer/Rheometer



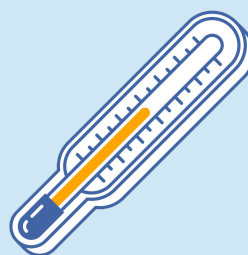
Unattended, high-throughput
viscosity screening



Retesting



Small Samples



Temperature Control



High Throughput

VROC® Initium 1++ is the leading automatic viscometer that measures true viscosity with the highest accuracy and repeatability. Its superior resolution is revolutionizing characterization of Newtonian and non-Newtonian samples

mPa-s

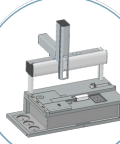
Absolute Viscosity



Sample Recovery & Retrieval



Viscosity Fingerprinting



Fully Automated

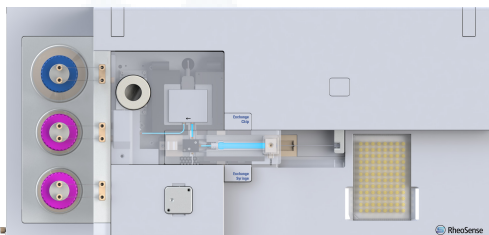
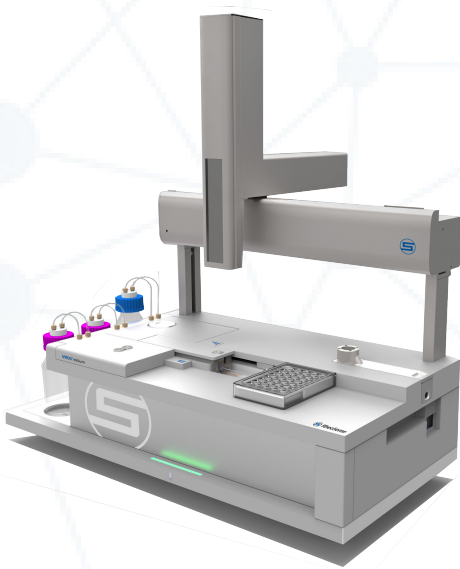


Self Cleaning

USP

Listed on US Pharmacopeia 914
www.rheosense.com/technology

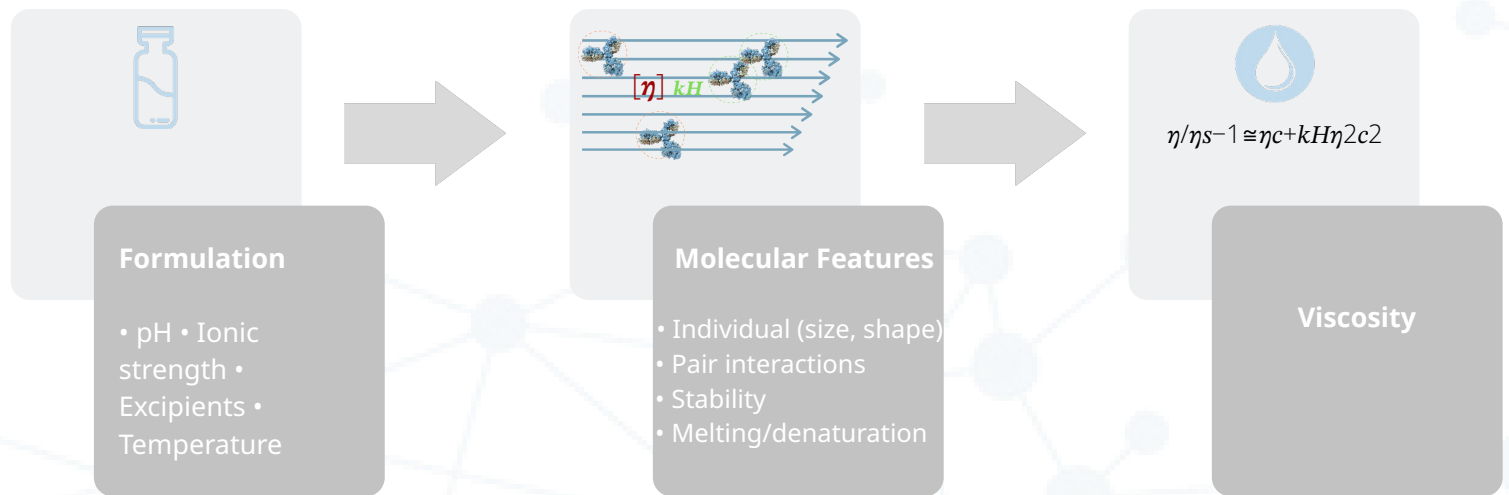
Viscometer/Rheometer



- Sample volume as low as 19 μL
- Viscosity Ranges: 0.3 – 1,000 mPa-s (with autosampler)
- 0.3 - 3,000 mPa-s (with manual syringe)
- Shear Rate Range 40 – 140,000 1/s
- Temperature Range 4 - 70°C
- Repeatability: 0.5% of reading
- Accuracy: 2% of reading
- Up to 4 samples per hour
- Standard 96 Well Plate or 40 Vial Rack
- Sample storage temperature control from 4- 40 °C

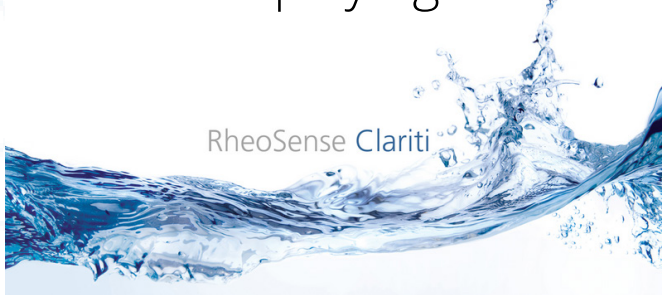
*Acceptable solvent bottle sizes: 250 mL, 500 mL and 1 Liter.

Intelligent Formulation - Work Smart, Not Hard

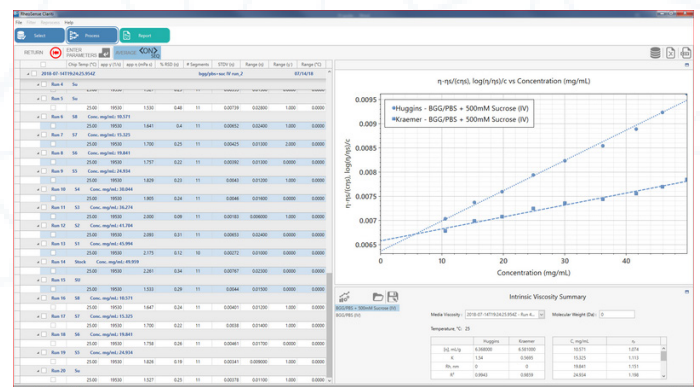


Understand how formulation impacts molecular scale behavior by measuring viscosity.

Clariti - Simplifying Your Data Analysis

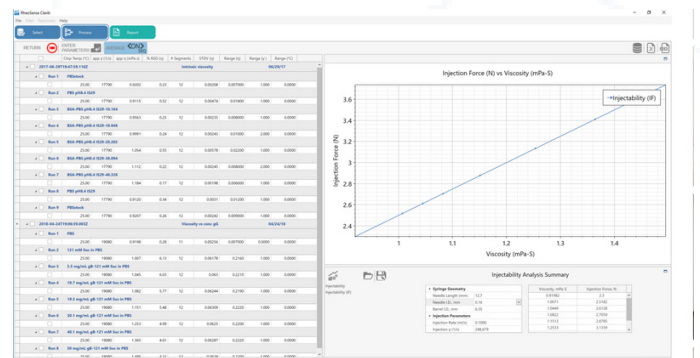


RheoSense Clariti enables complete user versatility.



Clariti's advanced capabilities are leading the way in:

- Data Processing, Analysis to Report Generation
- Predictive Injectability Analysis
- Intrinsic Viscosity
- Hydrodynamic Radius and Pair Interactions
- Custom Report Generation
- So much more!



VROC® Initium 1++ Applications

-  Engine Oils
-  Standard Oils
-  NIST Traceable Mineral Oils
-  ASTM Standards
-  Inkjet Inks
-  Conductive/ Graphene Inks
-  Electrolyte Solutions
-  Skincare (serums)
-  Fragrances
-  Cannabis Oils
-  Volatile Chemicals
-  Food & Beverage
-  Intrinsic Viscosity
-  Automation
-  Formulation
-  Protein Screening
-  Antibody Therapeutics
-  Drug Delivery
-  RNA Therapeutics
-  Hydrodynamic Radius
-  Whole Blood/Blood Plasma & Serum
-  Enzymatic Reaction Kinetics
-  Molecular Weight & Size
-  Solubility
-  Protein Stability
-  Cell Culture
-  Ophthalmic Solutions
-  Viscosity-Injectability

